PATENT
450100-04974

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) An information processing apparatus comprising:

a storage area;

download processing means for downloading ~~a software of~~ a predetermined number of software files into said storage area, a checksum for each file for error detection and ~~for obtaining~~ a checksum total ~~sum of an error~~ for ~~each~~ all of said files;

first calculating means for calculating a first calculation value indicative of ~~an error~~ the checksum for each of said downloaded files;

second calculating means for calculating a second calculation value indicative of ~~a total error of said files on the basis~~ the sum of said first calculation ~~value~~ values when all said files are downloaded; and

determining means for determining whether said information processing apparatus has ~~normally ended~~ downloaded said software files with or without error by comparing said second calculation value with said downloaded checksum total ~~sum~~.

2. (Previously Presented) The information processing apparatus according to claim 1, further comprising:

a second storage area; and

3

00451488

selecting means for selecting one of said storage areas into which said software is to be downloaded.

3. (Previously Presented) The information processing apparatus according to claim 2, further comprising:

a third storage area,

wherein said first calculating means copies the downloaded software into said third storage area.

4. (Currently Amended) The information processing apparatus according to claim [[1]] 2 wherein said determining means ~~comprising~~ comprises:

verifying means responsive to a shutdown command for verifying whether ~~the~~ shutdown of said information processing apparatus has ended; and

setting means for setting predetermined information indicative of normal end of the shutdown of said information processing apparatus.

5. (Currently Amended) The information processing apparatus according to claim 1,

wherein said download processing means gets ~~an error~~ a checksum for each of said files, and said determining means compares said first calculation value with said ~~error~~ last-mentioned checksum, if, as a result of the comparison by said determining means, there is a mismatch between said second calculation value and said checksum total ~~sum~~.

6. (Currently Amended) The information processing apparatus according to claim 5,

wherein, if there is a mismatch between said first calculation value and said ~~error~~ last-

4

00451488

mentioned checksum, said download processing means downloads a file corresponding to said first calculation value.

7. (Original) The information processing apparatus according to claim 4, further comprising:

startup means for starting up said information processing apparatus by selecting one of said storage areas on the basis of said predetermined information set by said setting means.

8. (Currently Amended) The information processing apparatus according to claim 7, wherein said startup means has setting information determining means for determining the information set by said setting means which,

starts up said information processing apparatus by use of the software stored in one of said first storage area and said second storage area, if the predetermined information indicative of normal end of the shutdown of said information processing apparatus is found set by said setting information determining means, and

starts up said information processing apparatus by use of the downloaded software stored in said copied to a third storage area, if the predetermined information indicative of normal end of the shutdown of said information processing apparatus is found not set by said setting information determining means.

9. (Currently Amended) An information processing method for an information processing apparatus, comprising the steps of:

5

00451488

downloading ~~a software of~~ a predetermined number of <u>software</u> files into a storage area, <u>a checksum for each file for error detection</u> and ~~for obtaining~~ a checksum total ~~sum of an error~~ for ~~each~~ <u>all</u> of said files;

calculating a first calculation value indicative of ~~an error~~ <u>the checksum</u> for each of said <u>downloaded</u> files;

calculating a second calculation value indicative of ~~a total error of said files on the basis~~ <u>the sum</u> of said first calculation ~~value~~ <u>values</u> when all said files are downloaded; and

determining whether said information processing apparatus has ~~normally ended~~ <u>downloaded said software files with or without error</u> by comparing said second calculation value with said <u>downloaded checksum</u> total ~~sum~~.

10. (Currently Amended)   A program stored on a computer readable medium, said program causing a computer to execute the steps of:

downloading ~~a software of~~ a predetermined number of <u>software</u> files into a storage area, <u>a checksum for each file for error detection</u> and ~~for obtaining~~ a <u>checksum</u> total ~~sum of an error~~ for ~~each~~ <u>all</u> of said files;

calculating a first calculation value indicative of ~~an error~~ <u>the checksum</u> for each of said <u>downloaded</u> files;

calculating a second calculation value indicative of ~~a total error of said files on the basis~~ <u>the sum</u> of said first calculation ~~value~~ <u>values</u> when all said files are downloaded; and

determining whether said information processing apparatus has ~~normally ended~~ <u>downloaded said software files with or without error</u> by comparing said second calculation value with said <u>downloaded checksum</u> total ~~sum~~.

00451488

11. (Currently Amended) A computer readable recording medium storing a program, said program causing a computer to execute the steps of:

downloading a software of a predetermined number of software files into a storage area, a checksum for each file for error detection and for obtaining a checksum total sum of an error for each all of said files;

calculating a first calculation value indicative of an error the checksum for each of said downloaded files;

calculating a second calculation value indicative of a total error of said files on the basis the sum of said first calculation value values when all said files are downloaded; and

determining whether said information processing apparatus has normally ended downloaded said software files with or without error by comparing said second calculation value with said downloaded checksum total sum.

00451488